

Substitute for form 1449PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	09/931,469
		<b>Filing Date</b>	2001-08-16
		<b>First Named Inventor</b>	LAROA; Rajiv,
		<b>Art Unit</b>	2462
		<b>Examiner Name</b>	JUNTIMA, Nittaya
<b>Sheet</b>	<b>1</b>	<b>of</b>	<b>14</b>
		<b>Attorney Docket No:</b> 060542	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code <sup>2(f)</sup> (known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US4747137	05-24-1988	MATSUNAGA; Akira	
	002	US5790537	08-04-1998	YOON; Young C., et al.	
	003	US5812938	09-22-1998	GILHOUSEN; Klein S., et al.	
	004	US5870393	02-09-1999	YANO; Takashi, et al.	
	005	US5999826	12-07-1999	WHINNETT; Nicholas	
	006	US6067315	05-23-2000	SANDIN; Tomas	
	007	US6075797	06-13-2000	THOMAS; Nicholas A.	
	008	US6088345	07-11-2000	SAKODA; Kazuyuki, et al.	
	009	US6141317	10-31-2000	MARCHOK; Daniel J., et al.	
	010	US6154484	11-28-2000	LEE; Chong U., et al.	
	011	US6175650	01-16-2001	SINDHU; Pradeep S., et al.	
	012	US6176550	01-23-2001	LAMART; Michel A., et al.	
	013	US6249683	06-19-2001	LUNDBY; Stein A., et al.	
	014	US6271946	08-07-2001	CHANG; Gee-Kung, et al.	
	015	US6449246	09-10-2002	BARTON; Melbourne, et al.	
	016	US6477317	11-05-2002	ITOKAWA; Osamu	
	017	US6478422	11-12-2002	HANSEN; Richard Arvid	
	018	US6487243	11-26-2002	HWANG; Dongming, et al.	
	019	US6501810	12-31-2002	KARIM; Mohammad Rez, et al.	
	020	US6507601	01-14-2003	PARSA; Kourosh, et al.	

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	021	US6539213	03-25-2003	RICHARDS; James L., et al.	
	022	US6614857	09-02-2003	BUEHRER; R. Michael, et al.	
	023	US6658258	12-02-2003	CHEN; Byron Hua, et al.	
	024	US6674787	01-06-2004	DICK; Stephen G., et al.	
	025	US6785341	08-31-2004	WALTON; Jay R., et al.	
	026	US6813284	11-02-2004	VAYANOS; Alkinos, et al.	
	027	US6821535	11-23-2004	NURMI; Juha, et al.	
	028	US6828293	12-07-2004	HAZENKAMP; Menno, et al.	
	029	US6829293	12-07-2004	JONES; William W., et al.	
	030	US6842487	01-11-2005	LARSSON; Peter	
	031	US6917602	07-12-2005	TOSKALA; Antti, et al.	
	032	US6917821	07-12-2005	KADOUS; Tamer, et al.	
	033	US6985434	01-10-2006	WU; Shiquan, et al.	
	034	US6985453	01-10-2006	LUNDBY; Stein A., et al.	
	035	US7006848	02-28-2006	LING; Fuyun, et al.	
	036	US7050402	05-23-2006	SCHMIDL; Timothy M., et al.	
	037	US7050405	05-23-2006	ATTAR; Rashid Ahmed, et al.	
	038	US7095708	08-22-2006	ALAMOUTI; Siavash, et al.	
	039	US7106319	09-12-2006	ISHIYAMA; Hisanobu	

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	040	US7157351	01-02-2007	CHENG; Chung-Long, et al.	
	041	US7170937	01-30-2007	ZHOU; Minhua	
	042	US7177351	02-13-2007	KADOUS; Tamer	
	043	US7181170	02-20-2007	LOVE; Robert T., et al.	
	044	US7184713	02-27-2007	KADOUS; Tamer, et al.	
	045	US7233634	06-19-2007	HASSELL SWEATMAN; Catherine, et al.	
	046	US7260153	08-21-2007	NISSANI; et al.	
	047	US7292651	11-06-2007	LI; Ye	
	048	US7356073	04-08-2008	HEIKKILA; Markku J.	
	049	US7359327	04-15-2008	OSHIBA; Shigeomi	
	050	US7403748	07-22-2008	KESKITALO; Ilkka, et al.	
	051	US7443835	10-28-2008	LAKSHMI NARAYANAN; Ram Gopal, et al.	
	052	US7450548	11-11-2008	HAUSTEIN; Thomas, et al.	
	053	US7508748	03-24-2009	KADOUS; Tamer	
	054	US20020090004	07-11-2002	RINCHIUSO; Joseph	
	055	US20020159422	10-31-2002	LI; Xiaodong, et al.	
	056	US20030043732	03-06-2003	WALTON; Jay R., et al.	
	057	US20030072395	04-17-2003	JIA; Ming, et al.	
	058	US20030076890	04-24-2003	HOCHWALD; Bertrand Martyn, et al.	
	059	US20030103520	06-05-2003	CHEN; Lan, et al.	

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	060	US20030112745	06-19-2003	ZHUANG; Xiangyang, et al.	
	061	US20030157900	08-21-2003	GAAL; Peter, et al.	
	062	US20030228850	12-11-2003	HWANG; In-Tae	
	063	US20040002364	01-01-2004	TRIKKONEN; Olav, et al.	
	064	US20040058687	03-25-2004	KIM; Young-Bum, et al.	
	065	US20040087325	05-06-2004	CHENG; Fang-Chen, et al.	
	066	US20040097215	05-20-2004	ABE; Katsuaki, et al.	
	067	US20040114618	06-17-2004	TONG; Wen, et al.	
	068	US20040120411	06-24-2004	WALTON; Jay Rodney, et al.	
	069	US20040179627	09-16-2004	KETCHUM; John W., et al.	
	070	US20040202257	10-14-2004	MEHTA; Neelesh B., et al.	
	071	US20040240419	12-02-2004	ABRISHAMKAR; Farrokh, et al.	
	072	US20040252529	12-16-2004	HUBER; Laszlo, et al.	
	073	US20040264507	12-30-2004	CHO; Young-Kwon, et al.	
	074	US20050002440	01-06-2005	ALAMOUTI; Siavash, et al.	
	075	US20050003782	01-06-2005	WINTZELL; Ola	
	076	US20050008091	01-13-2005	BOUTROS; Joseph, et al.	
	077	US20050041618	02-24-2005	WEI; Yongbin, et al.	
	078	US20050053081	03-10-2005	ANDERSSON; Christoffer, et al.	
	079	US20050135498	06-23-2005	YEE; Mong Suan	

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	080	US20050180311	08-18-2005	WANG; Haifeng, et al.	
	081	US20050195886	09-08-2005	LAMPINEN; Marko, et al.	
	082	US20050207367	09-22-2005	ONGGOSANUSI; Eko N., et al.	
	083	US20050249266	11-10-2005	BROWN; Colin, et al.	
	084	US20050254467	11-17-2005	LI; Don, et al.	
	085	US20050277423	12-15-2005	SANDHU; Sumeet, et al.	
	086	US20050282500	12-22-2005	WANG; Yi-Pin Eric, et al.	
	087	US20060018336	01-26-2006	SUTIVONG; Arak, et al.	
	088	US20060057958	03-16-2006	NGO; Chiu, et al.	
	089	US20060104333	05-18-2006	RAINBOLT; Bradley J., et al.	
	090	US20060114858	06-01-2006	WALTON; Jay Rodney, et al.	
	091	US20060120469	06-08-2006	MALTSEV; Alexander A., et al.	
	092	US20060133269	06-22-2006	PRAKASH; Rajat, et al.	
	093	US20060133455	06-22-2006	AGRAWAL; Avneesh, et al.	
	094	US20060156199	07-13-2006	PALANKI; Ravi; et al.	
	095	US20060203708	09-14-2006	SAMPATH; Hemanth, et al.	
	096	US20060203794	09-14-2006	SAMPATH; Hemanth, et al.	
	097	US20060203891	09-14-2006	SAMPATH; Hemanth, et al.	
	098	US20060218459	09-28-2006	HEDBERG; David	

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	099	US20060285485	12-21-2006	AGRAWAL; Avneesh, et al.	
	100	US20060285515	12-21-2006	JULIAN; David Jonathan, et al.	
	101	US20070005749	01-04-2007	SAMPATH; Hemanth	
	102	US20070019596	01-25-2007	BARRIAC; Gwendolyn D., et al.	
	103	US20070071147	03-29-2007	SAMPATH; Hemanth, et al.	
	104	US20090110103	04-30-2009	MALTSEV; Alexander A., et al.	
	105	US20090287977	11-19-2009	CHANG; Li Fung, et al.	

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	106	CA2348137	11-17-2001	MATSUSHITA ELECTRIC IND CO LTD [JP]		<input checked="" type="checkbox"/>
	107	CA2477536	09-04-2003	QUALCOMM INC [US]		<input checked="" type="checkbox"/>
	108	CA2540688	05-12-2005	FLARION TECHNOLOGIES INC [US]		<input checked="" type="checkbox"/>
	109	CL14892006	05-18-2007	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	110	CL14902006	05-18-2007	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	111	CL14922006	04-20-2007	QUALCOMM		<input checked="" type="checkbox"/>

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<b>Sheet</b>	7	of	14	<b>Attorney Docket No:</b> 060542

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code <sup>3</sup> Number*Kind Code <sup>5</sup> (if known)				
				INCORPORATED.		
	112	CL15212006	03-30-2007	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	113	CL22892004	09-09-2005	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	114	CL27102004	08-26-2005	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	115	CL29932005	05-19-2006	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	116	CL30862004	10-28-2005	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	117	CL46151	12-30-2009	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	118	CN1386344	12-18-2002	MITSUBISHI ELECTRIC CORP [JP]		<input checked="" type="checkbox"/>
	119	CN1424835	06-18-2003	NTT DOCOMO INC [JP]		<input checked="" type="checkbox"/>
	120	CN1467938A	01-14-2004	HUAWEI TECHNOLOGIES CO., LTD.		<input checked="" type="checkbox"/>
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	122	CN1525678	09-01-2004	NTT DOCOMO INC [JP]		<input checked="" type="checkbox"/>
	123	CN1647436A	07-27-2005	INTEL CORP.		<input checked="" type="checkbox"/>
	124	DE10254384A1	06-09-2004	FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.		<input checked="" type="checkbox"/>
	125	EP0488976A2	06-03-1992	ERICSSON TELEFON AB		<input type="checkbox"/>

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Substitute for form 1449/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	09/931,469
		<b>Filing Date</b>	2001-08-16
		<b>First Named Inventor</b>	LAROLA; Rajiv,
		<b>Art Unit</b>	2462
		<b>Examiner Name</b>	JUNTIMA, Nittaya
<b>Sheet</b>	<b>8</b>	<b>of</b>	<b>14</b>
		<b>Attorney Docket No:</b> 060542	

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				L M [SE]		
	126	EP0568291A2	11-03-1993	BRITISH AEROSPACE [GB]		<input type="checkbox"/>
	127	EP1255369A1	11-06-2002	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	128	EP1267513A2	12-18-2002	UNIQUE BROADBAND SYSTEMS INC [CA]		<input type="checkbox"/>
	129	FR2584884A1	01-16-1987	TRT TELECOM RADIO ELECTR.		<input checked="" type="checkbox"/>
	130	JP10117162	05-06-1998	MOTOROLA LTD.		<input checked="" type="checkbox"/>
	131	JP2001016644A2	01-19-2001	KDD CORP.		<input checked="" type="checkbox"/>
	132	JP2003101515	04-04-2003	SONY CORP.		<input checked="" type="checkbox"/>
	133	JP2003174426	06-20-2003	JAPAN TELECOM CO LTD.		<input checked="" type="checkbox"/>
	134	JP200369472	03-07-2003	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	135	JP2004023716	01-22-2004	MATSUSHITA ELECTRIC.		<input checked="" type="checkbox"/>
	136	JP2004048716	02-12-2004	NTT DOCOMO INC.		<input checked="" type="checkbox"/>
	137	JP2004096142A	03-25-2004	HITACHI KOKUSAI ELECTRIC INC.		<input checked="" type="checkbox"/>
	138	JP2004221972	08-05-2004	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	139	JP2005197772	07-21-2005	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	140	JP2005203961	07-28-2005	ADVANCED TELECOMMUNICATION RESEARCH INSTITUTE INTERNATIONAL.		<input checked="" type="checkbox"/>

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		<b>First Named Inventor</b>	LARJOIA; Rajiv,
		<b>Art Unit</b>	2462
		<b>Examiner Name</b>	JUNTIMA, Nittaya
<b>Sheet</b>	<b>9</b>	<b>of</b>	<b>14</b>
		<b>Attorney Docket No:</b> 060542	

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	141	JP2005506757	03-03-2005	NORTEL NETWORKS LTD [CA]		<input checked="" type="checkbox"/>
	142	JP2005521358	07-14-2005	INTEL CORP [US]		<input checked="" type="checkbox"/>
	143	KR100606099	07-31-2006	SAMSUNG ELECTRONICS CO., LTD.		<input checked="" type="checkbox"/>
	144	KR20000060428	10-16-2000	SAMSUNG ELECTRONICS CO., LTD.		<input checked="" type="checkbox"/>
	145	KR20010056333	04-07-2001	HYNIX SEMICONDUCTOR INC.		<input checked="" type="checkbox"/>
	146	KR200471652	08-12-2004	NTT DOCOMO INC.		<input checked="" type="checkbox"/>
	147	RU2162275C2	01-20-2001	SAMSUNG ELECTRONICS CO LTD [KR]		<input checked="" type="checkbox"/>
	148	RU2197778C2	01-27-2003	SAMSUNG ELECTRONICS CO LTD [KR]		<input checked="" type="checkbox"/>
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	151	RU2238611C1	10-20-2004	SAMSUNG ELECTRONICS CO LTD [KR]		<input checked="" type="checkbox"/>
	152	RU2292655	01-27-2007	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	153	RU95121152	12-20-1997	AT & T IPM CORP.		<input checked="" type="checkbox"/>

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		<b>First Named Inventor</b>	LAROA; Rajiv,
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		<b>Examiner Name</b>	JUNTIMA, Nittaya
<b>Sheet</b>	<b>10</b>	<b>of</b>	<b>14</b>
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	154	SU1320883	06-30-1987	KOZUBOV VYACHESLAV N [SU]		<input checked="" type="checkbox"/>
	155	TW200302642	08-01-2003	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	156	TW510132	11-11-2002	HARRIS CORPORATION.		<input checked="" type="checkbox"/>
	157	WO00002397	01-13-2000	SAMSUNG ELECTRONICS CO LTD [KR]		<input type="checkbox"/>
	158	WO01045300	06-21-2001	IOSPAN WIRELESS INC.,US.		<input type="checkbox"/>
	159	WO0182543A2	11-01-2001	ATHEROS COMM INC [US]		<input type="checkbox"/>
	160	WO02060138A2	08-01-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	161	WO03019819	03-06-2003	SAMSUNG ELECTRONICS CO LTD [KR]		<input type="checkbox"/>
	162	WO03030414A1	04-10-2003	WISCONSIN ALUMNI RES FOUND [US]		<input type="checkbox"/>
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	164	WO03067783	08-14-2003	QUALCOMM INC.		<input type="checkbox"/>
	165	WO03075479A1	09-12-2003	QUALCOMM INC [US]		<input type="checkbox"/>
	166	WO03085876	10-16-2003	INTEL CORPORATION.		<input type="checkbox"/>
	167	WO03094384	11-13-2003	QUALCOMM INCORPORATED.		<input type="checkbox"/>
	168	WO03103331	12-11-2003	QUALCOMM INC [US].		<input type="checkbox"/>
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Sheet	11	of	14	Attorney Docket No: 060542

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	172	WO04066520	08-05-2004	QUALCOMM INCORPORATED.		<input type="checkbox"/>
	173	WO04075448	09-02-2004	QUALCOMM, INCORPORATED.		<input type="checkbox"/>
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	175	WO04075596	09-02-2004	QUALCOMM INCORPORATED.		<input type="checkbox"/>
	176	WO05043855	05-12-2005	QUALCOMM INCORPORATED,US.		<input type="checkbox"/>
	177	WO06019710	02-23-2006	QUALCOMM INC [US]		<input type="checkbox"/>
	178	WO06044487	04-27-2006	FLARION TECHNOLOGIES, INC.		<input type="checkbox"/>
	179	WO06069300	06-29-2006	QUALCOMM INCORPORATED.		<input type="checkbox"/>
	180	WO06069397	06-29-2006	QUALCOMM INCORPORATED,US.		<input type="checkbox"/>
	181	WO200193505	12-06-2001	SOMA NETWORKS, INC.		<input type="checkbox"/>
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	183	WO2004047354A1	06-03-2004	FRAUNHOFER- GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.		<input type="checkbox"/>

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	184	WO2005015810	02-17-2005	INTEL CORPORATION.		<input type="checkbox"/>
	185	WO2005074184	08-11-2005	QUALCOMM INC [US]		<input type="checkbox"/>
	186	WO2006138581A2	12-28-2006	QUALCOMM INC.		<input type="checkbox"/>
	187	WO9408432A1	04-14-1994	ERICSSON GE MOBILE COMMUNICAT [US]		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T2
	188	BLUM ET AL, "On Optimum MIMO with antenna selection," IEEE International Conference on Communications: Conference Proceedings, vol. 1, April 28, 2002, pp. 386-390.				<input type="checkbox"/>
	189	Catreux, S. et al.: "Simulation results for an interference-limited multiple input multiple output cellular system", Global Telecommunications Conference, 2000. GLOBECOM '00. IEEE. December 1, 2000. vol. 2, pp. 1094 - 1096 <a href="http://ieeexplore.ieee.org/iel5/7153/19260/0091306.pdf?tp=&amp;isnumber=19260&amp;isnumber=8913063&amp;pnumber=7153">http://ieeexplore.ieee.org/iel5/7153/19260/0091306.pdf?tp=&amp;isnumber=19260&amp;isnumber=8913063&amp;pnumber=7153</a>				<input type="checkbox"/>
	190	CHUNG, S. et al.: "Low complexity algorithm for rate and power quantization in extended V-BLAST" VTC FALL 2001. IEEE 54th. Vehicular Technology Conference Proceedings. Atlantic City, NJ, Oct. 7-11, 2001, vol. 1 of 4, pages 910-914, Conf. 54.				<input type="checkbox"/>
	191	EL GAMAL, et al.: "Universal Space-Time Coding," IEEE Transactions on Information Theory, Vol 49, Issue 5, pages 1097-1119, XP011074756, ISSN: 0018-9448, May 2003.				<input type="checkbox"/>
	192	HOCHWALD et al., "Achieving near-capacity on a multiple-antenna channel," IEEE Transactions on Communications, IEEE Service Center, Piscataway, New Jersey, vol.51, no. 3, pp. 389-399 (2003).				<input type="checkbox"/>
	193	KIESSLING ET AL, "Short-term and long-term diagonalization of correlated MIMO channels with adaptive modulation" IEEE International Symposium on Personal, Indoor				<input type="checkbox"/>

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 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. > Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST-16 if possible. > Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND  
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Application Number</b>	09/931,469
		<b>Filing Date</b>	2001-08-16
		<b>First Named Inventor</b>	LAROLA; Rajiv,
		<b>Art Unit</b>	2462
		<b>Examiner Name</b>	JUNTIMA, Nittaya
<b>Sheet</b>	<b>13</b>	<b>of</b>	<b>14</b>
		<b>Attorney Docket No:</b> 060542	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
		and Mobile Radio Communications, Vol. 2, September 15, 2002, pp. 593-597.	
	194	KOUSA, M. et al: "ADAPTIVE BINARY CODING FOR DIVERSITY COMMUNICATION SYSTEMS" IEEE International Conference on Personal Wireless Communications Proceedings, pages 80-84, XP000992269, 1997.	<input type="checkbox"/>
	195	Nokia, "Uplink Considerations for UTRA LTE", 3GPP TSG RAN WG1#40bis, Beijing, CN, R1-050251, 3GPP, April 4, 2005, pp 1-9.	<input type="checkbox"/>
	196	NTT DoCoMo, "Downlink Multiple Access Scheme for Evolved UTRA", 3GPP R1- 050249, 3GPP, April 4, 2005, pp. 1-8.	<input type="checkbox"/>
	197	PRASAD, N. et al.: "Analysis of Decision Feedback Detection for MIMO Rayleigh Fading Channels and Optimum Allocation of Transmitter Powers and QAM Constellations," pages 1-10, 39th Annual Conference on Comm. Control and Comput., Monticello, IL October 2001.	<input type="checkbox"/>
	198	QUALCOMM EUROPE: "Description and link simulations for OFDMA based E-UTRA uplink" 3GPP DRAFT; R1-051100, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. San Diego, USA; 20051004, 4 October 2005 (2005-10-04), pages 1-10, XP050100715 .	<input type="checkbox"/>
	199	WIDDUP, B. et al., "A highly-parallel VLSI architecture for a list sphere detector," IEEE International Conference, Paris, France, vol. 5, pp.2720-2725 (2004).	<input type="checkbox"/>
	200	WIESEL, A. et al.: "Efficient implementation of sphere demodulation" SIGNAL PROCESSING ADVANCES IN WIRELESS COMMUNICATIONS, 2003. SPAWC 2003. 4TH IEEE WORKSHOP ON ROME, ITALY 15-18 JUNE 2003, PISCATAWAY, NJ, USA, IEEE, US, 15 JUNE 2003, PAGES 36-40, XP010713463.	<input type="checkbox"/>

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EXAMINER SIGNATURE

/Nittaya Juntima/

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